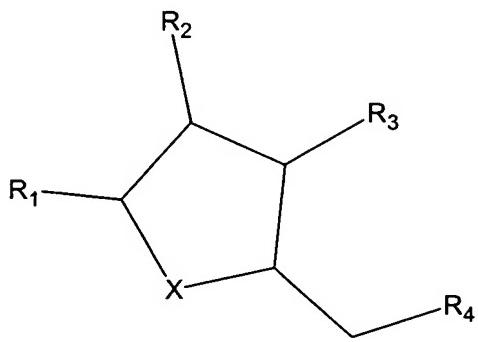


Amendments to the Claims

1. (Currently amended) A method of treating an infection caused by herpesviridae or poxiridae in a patient mammalian subject in need thereof comprising administering to said patient subject an effective amount of at least one Furanose-type carbohydrate compound according to the formula



wherein R₁ is selected from the group consisting of alkyl, aryl, O-aryl, S-aryl, OH, O-alkyl, SH, S-alkyl, NH₂, N₃, halogens, -OOCH, and COOH;

wherein R₂ is selected from the group consisting of H, hydroxyl, aliphatic and aromatic ethers and esters and wherein R₄ and R₂ form a ring;

wherein R₃ is selected from the group consisting of alkyl, aryl, O-aryl, S-aryl, OH, O-alkyl, SH, S-alkyl, NH₂, N₃, halogens, -OOCH, COOH, and acetal rings;

wherein R₄ is selected from the group consisting of alkyl, aryl, O-aryl, S-aryl, OH, O-alkyl, SH, S-alkyl, NH₂, N₃, halogens, -OOCH, COOH, and acetal rings and wherein R₃ and R₄ form a ring; and

wherein X is selected from the group consisting of O, NH and S.

2. (Currently amended) A method as defined in claim 1, wherein R₁ is preferably phenyl; R₂ is preferably selected from the group consisting of -OMe, -OH, and -H; R₃ is preferably selected from the group consisting of -OH, -OAc, -OH, and -OBn, and -H; and R₄ is preferably selected from the group consisting of -H, -OAc, and -OBn; or a pharmaceutically active derivative thereof.

3. (Previously amended) A method as defined in claim 1, wherein R₁ and R₂ form a ring comprising -OC(CH₃)₂O-.

4. (Previously amended) A method as defined in claim 1, wherein R₃ and R₄ form a ring comprising a moiety preferably selected from the group consisting of -OSi(i-Pr)₂OSi(i-Pr)₂O- and -OCH(Ph)O-.

5. (Canceled)

6. (Canceled)

7. (Canceled)

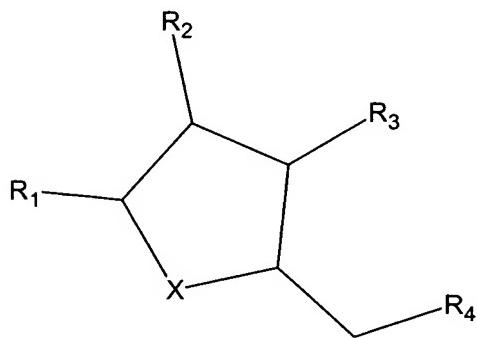
8. (Previously amended) A method as defined in claim 1, wherein the infection is an infection caused by Cytomegalovirus.

9. (Previously added) A method according to claim 1, wherein the infection is and infection caused by Vaccinia virus.

10. (Previously added) A method according to claim 1, further comprising wherein R₃ and R₄ comprise -OAc.

11. (New) A method according to claim 1, wherein X is selected from the group consisting of O.

12. (New) A method of treating an infection caused by herpesviridae or poxiridae in a mammalian subject in need thereof comprising administering to said subject an effective amount of a compound according to the formula



wherein R₁ is selected from the group consisting of alkyl, aryl, O-aryl, S-aryl, OH, O-alkyl, SH, S-alkyl, NH₂, N₃, halogens, -OOCH, and COOH;

wherein R₂ is selected from the group consisting of H, hydroxyl, aliphatic and aromatic ethers and esters;

wherein R₃ is selected from the group consisting of alkyl, aryl, O-aryl, S-aryl, OH, O-alkyl, SH, S-alkyl, NH₂, N₃, halogens, -OOCH, COOH, and acetal rings;

wherein R₄ is selected from the group consisting of alkyl, aryl, O-aryl, S-aryl, OH, O-alkyl, SH, S-alkyl, NH₂, N₃, halogens, -OOCH, COOH, and acetal rings; and

wherein X is selected from the group consisting of O, NH and S.